

Title (en)
APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

Title (de)
VORRICHTUNG UND VERFAHREN ZUM SENDEN UND EMPFANGEN VON STEUERINFORMATIONEN IN EINEM DRAHTLOSEN KOMMUNIKATIONSSYSTEM

Title (fr)
APPAREIL ET PROCÉDÉ DE TRANSMISSION ET DE RÉCEPTION D'INFORMATIONS DE COMMANDE DANS UN SYSTÈME DE COMMUNICATION SANS FIL

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Application
EP 11756527 A 20110314

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• KR 2011001758 W 20110314

Abstract (en)
[origin: EP2549672A2] Disclosed are an apparatus and a method for transmitting/receiving control information in a wireless communication system. In a repeater according to the present invention, a receiving antenna can receive control information for a hybrid automatic repeat reQuest ACKnowledgement (HARQ ACK) feedback on the data transmission of a base station from the base station through higher layer signaling. On the basis of the control information, a processor can determine a resource in an upper link control channel to be used for the transmission of the HARQ feedback. A transmitting antenna can transmit the HARQ feedback to the base station through the resource that has been determined.

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Citation (search report)
• [XI] CATT: "Considerations on Backhaul UCI Transmission", 3GPP DRAFT; R1-100898, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. San Francisco, USA; 20100222, 16 February 2010 (2010-02-16), XP050418500
• [XII] ZTE: "PUCCH resource region for LTE-A", 3GPP DRAFT; R1-091421 PUCCH RESOURCE REGION FOR LTE-A, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. Seoul, Korea; 20090317, 17 March 2009 (2009-03-17), XP050339001
• See references of WO 2011115396A2

Cited by
CN110943809A; US11405144B2

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